

## Adjunctive therapy - a promising method in the treatment of periodontal disease

**Gagik V. Hakobyan\***, Eduard Aghasyan, Lazar Yessayan and Hakob Khachatryan

Yerevan State Medical University after Mkhitar Heratsi, Armenia

**Background:** There are various approaches used to treat periodontal disease. Among local agents used in the treatment of periodontitis, pastes and gels based on chlorhexidine, doxycycline and metronidazole were extensively investigated. An alternative to these classical drugs used in local treatment of periodontitis may be "Armenicum" paste. "Armenicum" is a promising drug for the treatment of various inflammatory diseases, as it has antimicrobial, antiviral and immunotropic properties

**Objective:** The aim of this study was to evaluate the efficacy of delivered "Armenicum" paste as an adjunct to scaling in the management of patients with chronic periodontitis.

**Methods:** The study is a randomized clinical prospective study in 157 patients with chronic periodontitis. The patients were blind randomly assigned into two groups: Group A (SRP+Armenicum" paste) 81 patients (42 males and 39 females, 37 to 68 years) and Group B (SRP) 76 patients (39 males and 37 females, 37 to 68 years). Periodontal indices BOP, PPD, DPI within each treatment group were measured before periodontal therapy, 3 and 6 months after the treatment. Group A underwent a periodontal treatment which included: supragingival and subgingival scaling, additional use of local "Armenicum" paste. The Group B group only received scaling. The results of the current study showed that the adjunctive use of "Armenicum" reduced signs of inflammation compared to standard SRP treatment alone.

**Results:** In our study, the mean BOP, DPI, PPD showed a statistically significant difference from baseline to 3 month and 6 months ( $p \leq 0.05$ ) in both Group A and Group B. But, BOP and PPD reduction gain was found to be greater in Group-A than Group B at 3 month and 6 months.

**Conclusion:** Study signpost the enhancement of clinical periodontal parameters using "Armenicum" paste as adjunct therapy in the management of chronic periodontitis.

### Biography

Gagik V. Hakobyan is Head of the Department of Surgical Stomatology and Maxillofacial Surgery at Yerevan State University after M. Heratsi, Armenia

**Received:** October 01, 2024; **Accepted:** October 03, 2024; **Published:** December 14, 2024